

FORM PTO-1390 (REV 10-94)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		DOCKET #: 1483-87PUS	
<p align="center"><b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b></p>					
				<p align="center">U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>09/831201</b></p>	
INTERNATIONAL APPLICATION NO. <b>PCT/SE99/02018</b>		INTERNATIONAL FILING DATE <b>06 November 1999</b>		PRIORITY DATE CLAIMED <b>06 November 1998</b>	
TITLE OF INVENTION <p align="center"><b>Waste Bin</b></p>					
APPLICANT(S) FOR DO/EO/US <p align="center"><b>Ola GÖTESSON</b></p>					
<p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371</li> <li><input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li><input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li><input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li><input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> has been transmitted by the International Bureau.</li> <li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li><input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li><input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li><input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li><input type="checkbox"/> have been transmitted by the International Bureau.</li> <li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li><input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li><input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li><input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li><input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> <p><b>Items 11. to 16. Below concern other document(s) or information included:</b></p> <ol style="list-style-type: none"> <li><input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li><input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li><input type="checkbox"/> A <b>FIRST</b> preliminary amendment. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li><input type="checkbox"/> A substitute specification.</li> <li><input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li><input checked="" type="checkbox"/> Other items or information (<i>specify</i>): PCT Publication Sheet, Int'l Preliminary Examination Report, Int'l Search Report</li> </ol>					

17.[x]The following fees are submitted:

**Basic National Fee (37 CFR 1.492(a)(1)-(5)):**

Search Report has been prepared by the EPO or JPO ..... \$860.00  
 International preliminary examination fee paid to USPTO (37 CFR 1.482).....\$690.00  
 No international preliminary examination fee paid to USPTO (37 CFR 1.482)  
 but international search fee paid to USPTO (37 CFR 1.445(a)(2)) ..... \$710.00  
 Neither international preliminary examination fee (37 CFR 1.482)  
 nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... \$1000.00  
 International preliminary examination fee paid to USPTO (37 CFR 1.482)  
 and all claims satisfied provisions of PCT Article 33(2)-(4)..... \$100.00

ENTER APPROPRIATE BASIC FEE AMOUNT =

\$ 860

Surcharge of \$130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months  
 from the earliest claimed priority date (37 CFR 1.492(e)).

\$

Claims

Number Filed

Number Extra

Rate

Total Claims

3 - 20 =

0

x \$18.00

\$

Independent Claims

1 - 3 =

0

x \$80.00

\$

Multiple dependent claim(s) (if applicable)

+ \$270.00

\$

TOTAL OF ABOVE CALCULATIONS =

\$ 860

Reduction of 1/2 for filing by small entity, if applicable.

\$ 430

SUBTOTAL =

\$ 430

Processing fee of \$130.00 for furnishing the English translation later than ☐ 20 ☐ 30  
 months from the earliest claimed priority date (37 CFR 1.492(f)).

\$

TOTAL NATIONAL FEE =

\$ 430

Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be  
 accompanied by the appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property

\$

TOTAL FEES ENCLOSED \$430

Amount to be refunded: \$

charged: \$

- a. [x] One check in the amount of \$430 to cover the above fees is enclosed.  
 b. ☐ Please charge my Deposit Account No. 03-2412 in the amount of \$\_\_\_\_\_ to cover the above fees. A duplicate copy of  
 this sheet is enclosed.  
 c. [x] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any  
 overpayment to Deposit Account No. 03-2412. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive  
 (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

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WASTE BIN.

5 The present invention is for a waste bin with an option of waste sorting.

Waste bins for collecting of wastes of various kinds are used at most places of work and at many other places. It is then desirous that the wastes can be sorted into at least two fractions. For reasons of space availability this is often unsuitable or impossible which means that the wastes are put unsorted into the same container with the accompanying disadvantages.

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The invention may be said to be a recovery and waste station within a minimal space at a local place of work. The object of the present invention is a waste bin which can be emptied and enables sorting of wastes into at least two fractions and which may be used even at minimal spaces. One fraction may be burnable and recoverable paper while the other fraction includes other wastes such as plastics, tape, fruit peel etc. It is another object of the invention that all collecting compartments which are parts of the waste bin shall be made easily accessible when the respective kind of waste shall be disposed of. A further object of the invention is that it shall be possible to mount the waste bin on to the underside of a work table or the like so that floor space is saved. The waste bin of the invention has the characteristics which are apparent from claim 1, embodiments of the invention have those characteristics which are apparent from the other claims.

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25 The invention will below be described with reference to the example of an embodiment thereof which is shown in the enclosed figures.

Figure 1 shows a waste bin according to the invention which is mounted under a work table.

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Figure 2 is a blow up of parts of the means for bearing and mounting.

The device comprises a central shaft 1 made from tubular square hollow profile which is arranged vertically. On each side of the square profile there are several through bores 11 for the hanging up of boxes or compartments 9, 10. The boxes are easily detachable by being hooked at the openings in a suitable way.

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Fixed to the upper end of the shaft 1 by welding or otherwise there is a plate 2 having a central hole for a bolt 6. The bolt is a shaft for an axial bearing 4 and it is at its upper end mounted at a mounting plate 8 by means of a locknut 7. A sliding plate 5 is arranged between the mounting plate 8 and the plate 2. The mounting plate 8 has a suitable number of holes for fastening by means of screws on the underside of a worktable 3.

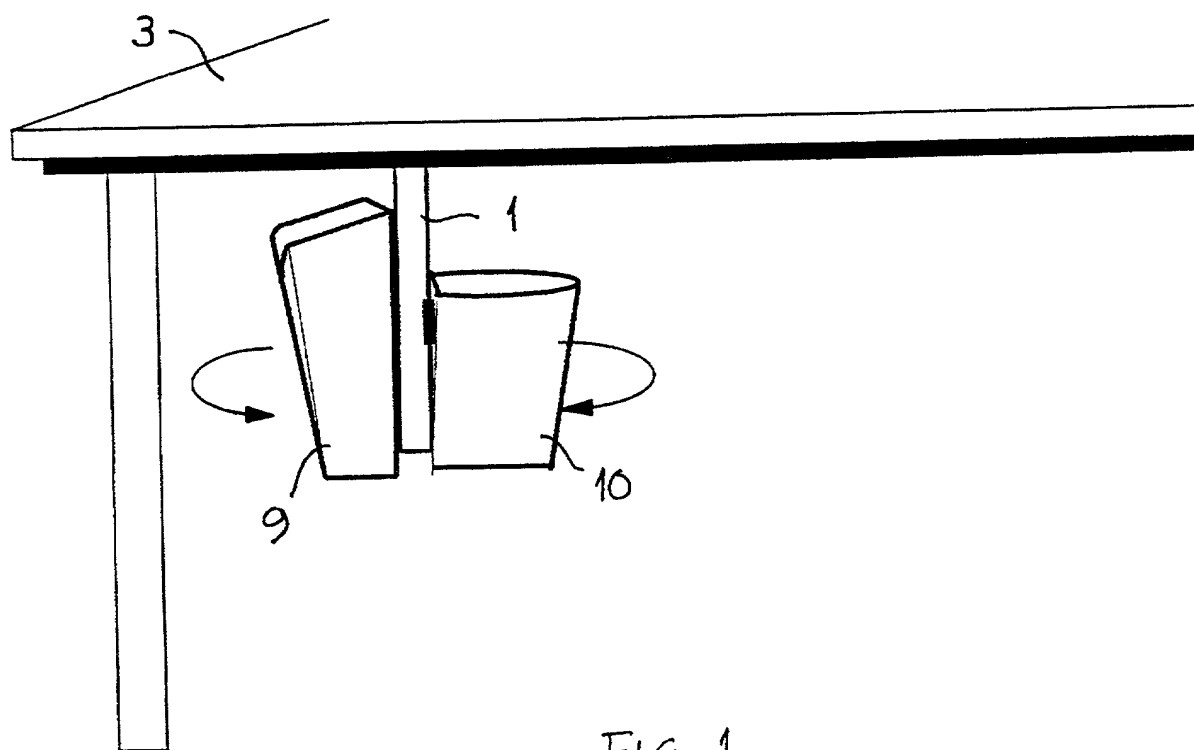
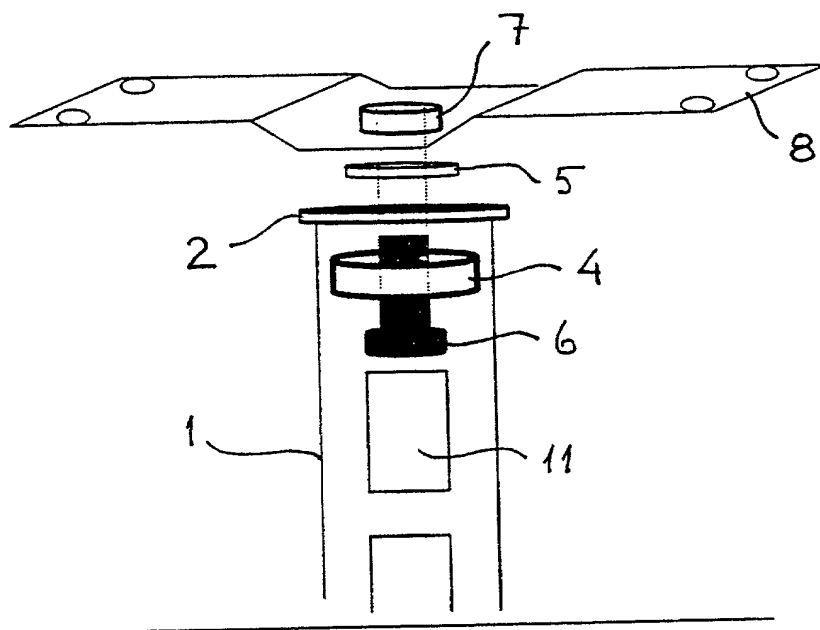
Other varieties and embodiments are possible within the frame of the inventive idea. For example the shaft may instead of being a tube comprise several, vertical bars at which the boxes are hung up. The number of boxes may vary but two boxes is often sufficient for normal office use.

0994201.052401

**CLAIMS.**

- 5           1. Emptyable waste bin for sorting of wastes thrown into the waste bin characterized in  
that the waste bin comprises at least two compartments (9, 10) which are hung at a  
vertical shaft (1) which is rotateably mounted beneath a work table (3) by means of  
bearing and mounting means which are arranged at the top of the shaft.
- 10          2. Device according to claim 1 characterized in that the compartments (9, 10) are  
detachably hung at the shaft (1).
3. Device according to claim 2 characterized in that the shaft (1) is a tubular hollow  
square profile.

093401-05301



Attorney's Docket  
No.1483-87FUS

My residence, post office address and citizenship are as stated below next to my name.

## WASTE BIN

[ ] is attached hereto  
[ ] was filed as United States application  
Serial No. \_  
on \_  
and was amended  
on \_ (if applicable).  
[x] was filed as PCT international application  
Number PCT/SE99/02018  
on 06 November 1999  
and was amended under PCT Article 19  
on \_ (if applicable).

I acknowledge the duty to disclose information which is material to the patentability of the application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

**PRIOR FOREIGN/PCT APPLICATIONS AND ANY PRIORITY CLAIMS UNDER 35 U.S.C. 119:**

[illegible]

Combined Declaration for Patent Application and Power of Attorney (Continued)  
(Includes Reference to PCT International Applications)

Attorney's Docket No.  
1483-87PUS

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:

PRIOR U.S. APPLICATIONS OR PCT INTERNATIONAL APPLICATIONS DESIGNATING THE U.S. FOR BENEFIT UNDER 35 U.S.C. 120:

U.S. APPLICATIONS		STATUS (check one)		
U.S. APPLICATION NUMBER	U.S. FILING DATE	PATENTED	PENDING	ABANDONED
PCT APPLICATIONS DESIGNATING THE U.S.				
PCT APPLICATION NO	PCT FILING DATE	U.S. SERIAL NUMBERS ASSIGNED (if any)		
PCT/SE99/02018	06 November 1999		X	

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (List name and registration number)

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	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY

By Express Mail  
No. EL834972903US



Combined Declaration for Patent Application and Power of Attorney (Continued) (Includes Reference to PCT International Applications)				Attorney's Docket No. 1483-87PUS
2 0 3	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE, CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under §1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.</p>				
SIGNATURE OF INVENTOR 201		SIGNATURE OF INVENTOR 202		SIGNATURE OF INVENTOR 203
DATE May 8, 2001		DATE		DATE

By Express Mail  
No. EL834972903US